

IN THE CLAIMS:

1. (Original) A spinal spacer for engagement between vertebrae, comprising:
a body formed of a bone composition and including a first end, an opposite second end, a superior face defining a superior vertebral engaging surface and an inferior face defining an inferior vertebral engaging surface; and
at least one of said vertebral engaging surfaces defining a first set of migration resistance grooves, each of said grooves including a first face defining an angle of no more than about 90 degrees relative to said engaging surface and a second opposing sloped face, said first and second faces defining a pocket therebetween for trapping vertebral bone.
2. (Original) The spacer of claim 1 wherein said grooves of said first set are arranged in series.
3. (Original) The spacer of claim 2 wherein each of said sloped faces is sloped toward said first end.
4. (Original) The spacer of claim 1 wherein said at least one of said engaging surfaces defines a peak between each of said grooves, said peak defining a flattened surface.
5. (Original) The spacer of claim 3 wherein said first set is defined in a first portion of said one of said engaging surfaces and further comprising a second set of migration resistance grooves defined in series in a second portion of one of said vertebral engaging surfaces, each of said grooves of said second set including a first face defining an angle of no more than about 90 degrees relative to said engaging surface and a second opposing sloped face, said first and second faces of each of said groove of said second set defining a pocket therebetween for trapping vertebral bone, each of said sloped faces of said second set sloping towards said second end.
6. (Original) The spacer of claim 5 wherein each of said grooves has a depth below said at least one of said vertebral engaging surfaces and said grooves of said first set are deeper than

said grooves of said second set.

7. (Original) The spacer of claim 5 wherein each of said grooves has a depth below said at least one of said vertebral engaging surfaces and said grooves of said second set are deeper than said grooves of said first set.

8. (Original) The spacer of claim 1 wherein said pocket is substantially arcuate.

9. (Original) The spacer of claim 1 wherein said first face is perpendicular to said engaging surface.

10. (Original) The spacer of claim 1 further comprising a cutting edge between said first face and said engaging surface.

11. (Original) The spacer of claim 4 wherein said first face has a first height between said pocket and said engaging surface which is taller than a second height of said second face and said peak is sloped.

12. (Original) The spacer of claim 1 wherein said superior face defines a first opening and said inferior face defines a second opening, each of said openings in communication with a chamber formed through said body.

13. (Original) The spacer of claim 12 wherein said first end defines a convexly curved surface.

14. (Original) The spacer of claim 13 wherein said second end is flat.

15. (Original) A hollow spinal spacer for engagement between vertebrae, comprising:
a body formed of bone composition and including an anterior wall with opposite posterior wall defining a flat posterior surface, two lateral walls, each integrally connected

between said opposite ends of said anterior and posterior walls to define a chamber, said walls further defining a superior vertebral engaging surface defining a first opening, said first opening in communication with said chamber, and an inferior vertebral engaging surface defining a second opening, said second opening in communication with said chamber; and

at least one of said vertebral engaging faces defining a set of migration resistance grooves, each of said grooves including a first face defining an angle of no more than about 90 degrees relative to said one of said engaging surface and a second opposing sloped face, said first and second faces defining a pocket therebetween for trapping vertebral bone, said grooves in series with said sloped faces sloping towards said anterior wall.

16. (Previously presented) The spacer of claim 1 wherein the bone composition comprises cortical bone.

17. (Previously presented) The spacer of claim 1 comprising an osteoinductive material.

18. (Previously presented) The spacer of claim 12 wherein the chamber is formed from a medullary canal.

19. (Previously presented) The spacer of claim 1 comprising a cross-sectional slice of a long bone.

20. (Previously presented) A bone graft for insertion between adjacent vertebrae, said graft comprising a cortical bone slice from a long bone, said cortical bone slice comprising:

a substantially planar superior bone engaging surface;

an opposite inferior bone engaging surface; and

a wall provided between the superior bone engaging surface and the inferior bone engaging surface, said wall comprising an anterior wall portion having a convexly curved exterior surface, and an opposite posterior wall portion, wherein the graft comprises a first set of migration resistant surface features comprising grooves, teeth, blades or a combination thereof.

21. (Previously presented) The graft of claim 20 wherein the posterior wall portion is substantially planar.

22. (Previously presented) The graft of claim 20 comprising a first and an opposite second lateral wall portions extending substantially perpendicular from the anterior wall portion.

23. (Previously presented) The graft of claim 20 wherein the first set of migration resistant surface features are arranged in series.

24. (Previously presented) The graft of claim 20 comprising a second set of migration resistant surface features.

25. (Previously presented) The graft of claim 20 wherein the wall defines an interior chamber formed from a medullary canal.

26. (Previously presented) The graft of claim 25 wherein the bone engaging superior surface defines a first opening and the inferior bone engaging surface defines a second opening, wherein each of the first and second openings are in communication with the chamber.

27. (Previously presented) The graft of claim 20 comprising an osteoinductive material.

28. (Previously presented) The graft of claim 20 comprising cancellous bone material.

29. (Previously presented) The graft of claim 20 wherein the inferior bone engaging surface is substantially planar.

30. (Previously presented) The graft of claim 20 wherein the superior bone engaging surface and the inferior bone engaging surface include migration resistant surface features.

31. (Previously presented) A bone graft for insertion between adjacent vertebrae, said graft comprising a cortical bone slice from a long bone, said cortical bone slice comprising:
a superior bone engaging surface;
an opposite inferior bone engaging surface; and
a first lateral wall positioned between the inferior bone engaging surface and the superior bone engaging surface and provided to lie substantially perpendicular to the superior bone engaging surface; said lateral wall positioned between a posterior wall and an anterior wall having a convexly curved exterior surface, and wherein said graft comprises a first set of migration resistant surface features selected from the group consisting of: grooves, teeth, blades or a combination thereof.

32. (Previously presented) The graft of claim 31 comprising a second lateral wall opposite the first lateral wall.

33. (Previously presented) The graft of claim 32 wherein the second lateral wall is provided to lie substantially perpendicular to the superior bone engaging surface.

34. (Previously presented) The graft of claim 31 wherein the posterior wall is substantially planar.

35. (Previously presented) The graft of claim 31 wherein the first set of migration resistant surface features are arranged in series.

36. (Previously presented) The graft of claim 31 comprising a second set of migration resistant surface features.

37. (Previously presented) The graft of claim 31 comprising an interior chamber.

38. (Previously presented) The graft of claim 37 wherein the bone engaging superior surface defines a first opening and the inferior bone engaging surface defines a second opening, wherein each of the first and second openings are in communication with the chamber.

39. (Previously presented) The graft of claim 31 comprising an osteoinductive material.

40. (Previously presented) The graft of claim 31 comprising cancellous bone material.

41. (Previously presented) The graft of claim 30 wherein the superior bone engaging surface and the inferior bone engaging surface comprise migration resistant surface features.